F. MILLER.

TREE SCAFFOLD.

APPLICATION FILED JAN. 17, 1916.

1,206,574. Patented Nov. 28, 1916.

Fig. 1.

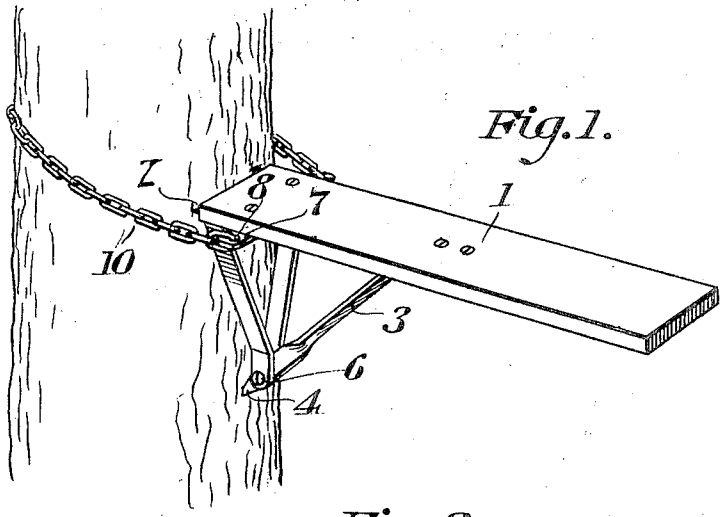


Fig. 2.

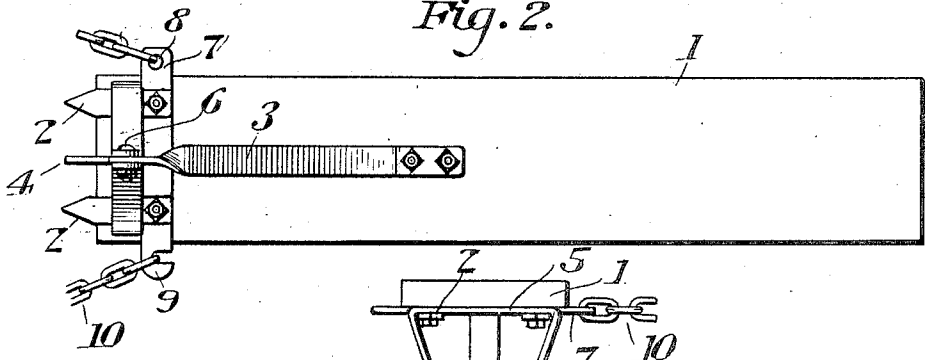


Fig. 3.

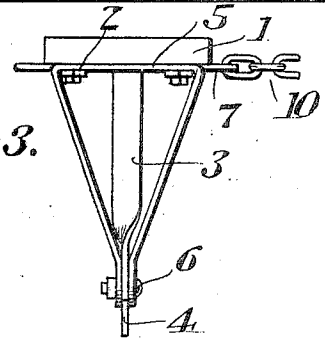
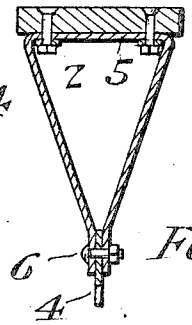


Fig. 4



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UNITED STATES PATENT OFFICE.

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TREE-SCAFFOLD.

1,206,574. Specification of Letters Patent. Patented Nov. 28, 1916.

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To all whom it may concern:

Be it known that I, FERDINAND MILLER, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented new and useful Improvements in Tree-Scaffolds, of which the following is a specification.

This invention relates to improvements in spring boards or foot boards for use in felling trees.

In carrying out the present invention, it is my purpose to improve and simplify the general construction of spring boards of the class described and to provide a spring board which may be rapidly and securely attached to the tree, which may be moved to any desired position upon the tree, and whereby the wood chopper will be supported safely and securely so that the tree may be felled.

It is also my purpose to provide a spring board wherein by means of coöperating spurs that are carried by one end of the board and adapted to penetrate the tree, and a chain surrounding the tree and having the ends thereof secured to the board adjacent to the spurs, the board will be securely held to the tree and prevented from accidental displacement therefrom.

With the above and other objects in view, the invention consists in the construction, combination and arrangement of parts hereinafter set forth in and falling within the scope of the claim.

In the accompanying drawing, Figure 1 is a perspective view of the board, showing the application of the same to the tree. Fig. 2 is a bottom plan view thereof. Fig. 3 is an end view. Fig. 4 is a cross sectional view through the board.

Referring now to the drawing in detail, 1 designates a platform of necessary length and width and constructed of any suitable material. Fastened to the under side of the platform 1 at one end thereof and projecting outwardly beyond such end are spurs 2 spaced apart and preferably disposed at the opposite sides of the longitudinal medial line of the platform. Fastened to the under surface of the platform 1 adjacent to the transverse center line of the platform and between such center line and the spurs 2 is a brace arm 3 projecting downwardly from the platform and toward the spur end thereof and having the lower end thereof formed to provide a spur 4. Also secured to the under surface of the platform 1 adjacent to the spurs 2 is the central member of a yoke 5 having the limbs thereof depending from the platform and the lower ends of such limbs drawn together and disposed at opposite sides of the spur end of the brace arm 3 and secured to each other and to such end of the arm by means of a bolt 6.

7 designates a cross bar fastened to the under surface of the platform adjacent to the center member of the yoke 5 and having the opposite ends thereof projecting beyond the respective side edges of the platform and formed with an eye 8 and hook 9 respectively and engaged in the eye 8 is one end of a chain 10 adapted to encircle the tree and having the links at the opposite end thereof designed to interchangeably engage the hook 9 to hold the chain about the tree.

In practice, when it is desired to apply the spring board to the tree, the spurs 2 are driven into the trunk of the tree and the board held at an upward angle to the horizontal and the chain swung about the tree and connected with the hook 9. The spring board is now swung downwardly to a substantially horizontal position and in the downward movement of the spring board the spurs 2 are drawn into the tree under the action of the chain, while the spur 4 on the lower end of the brace arm penetrates the tree below the spurs 2 and at a point centrally of the spurs 2 so that when the weight of a man is on the spring board the spur 4 will be driven into the tree and cooperate with the spurs 2 and the chain to hold the spring board to the tree. When it is desired to change the position of the spring board, the latter is swung upwardly, thereby putting slack in the chain 10 and withdrawing the spur 4 from the tree and as the chain 10 is loosened the spurs 2 may be withdrawn from the tree trunk and the spring board moved about the tree trunk to the desired position.

I claim:

A tree scaffold comprising a platform, spurs at one end of said platform projecting outwardly therefrom and disposed at the opposite sides of the longitudinal center line of the platform and adapted to penetrate the tree, a cross bar secured to the pronged end of the platform and having the extremities thereof projecting beyond the

respective side edges of the platform, a chain adapted to surround the tree and having the ends thereof fastened, respectively, to the ends of said cross bar, a brace arm having one end secured to the bottom of said platform adjacent to the transverse center line thereof and projecting downwardly therefrom toward the spur end and having the lower end formed with a spur adapted to penetrate the tree, and a yoke connected with the bottom of said platform immediately adjacent to said cross bar and first-mentioned spurs and depending therefrom and secured to the spur end of said arm.

In testimony whereof I affix my signature in presence of two witnesses.

FERDINAND MILLER.

Witnesses:
ARTHUR C. DRESBACH,
E. M. WHELAN.